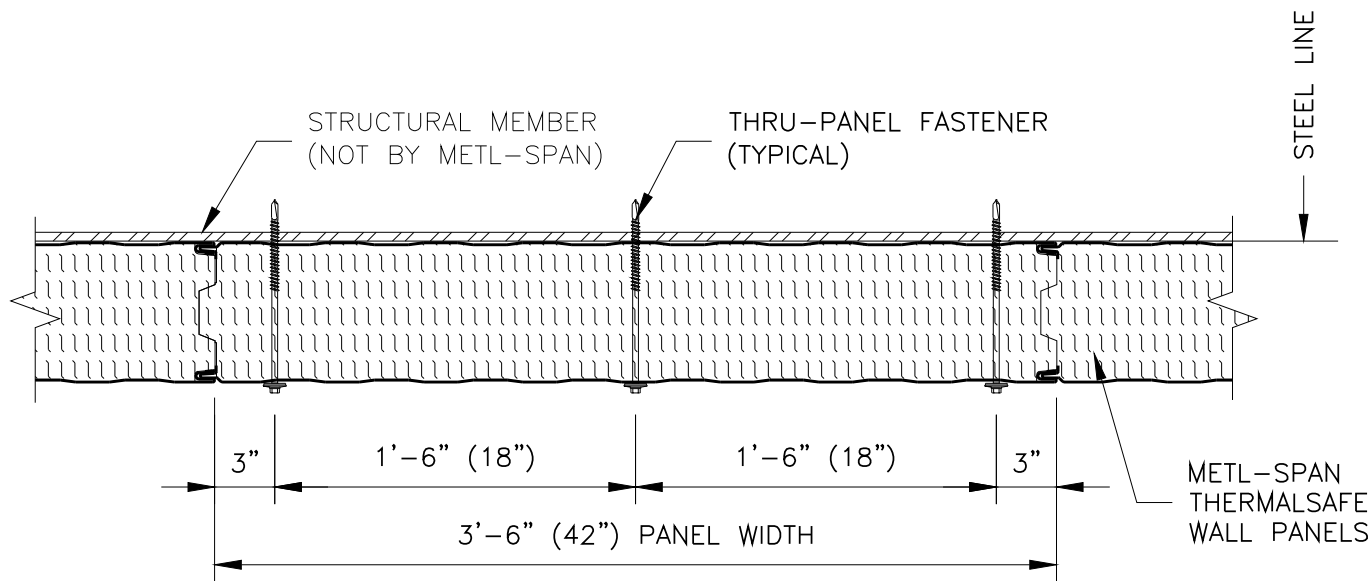


Metl-Span ThermalSafe Wall Panel System
26 Ga. Exterior / 26 Ga. Interior Facings
Two or More Spans Condition

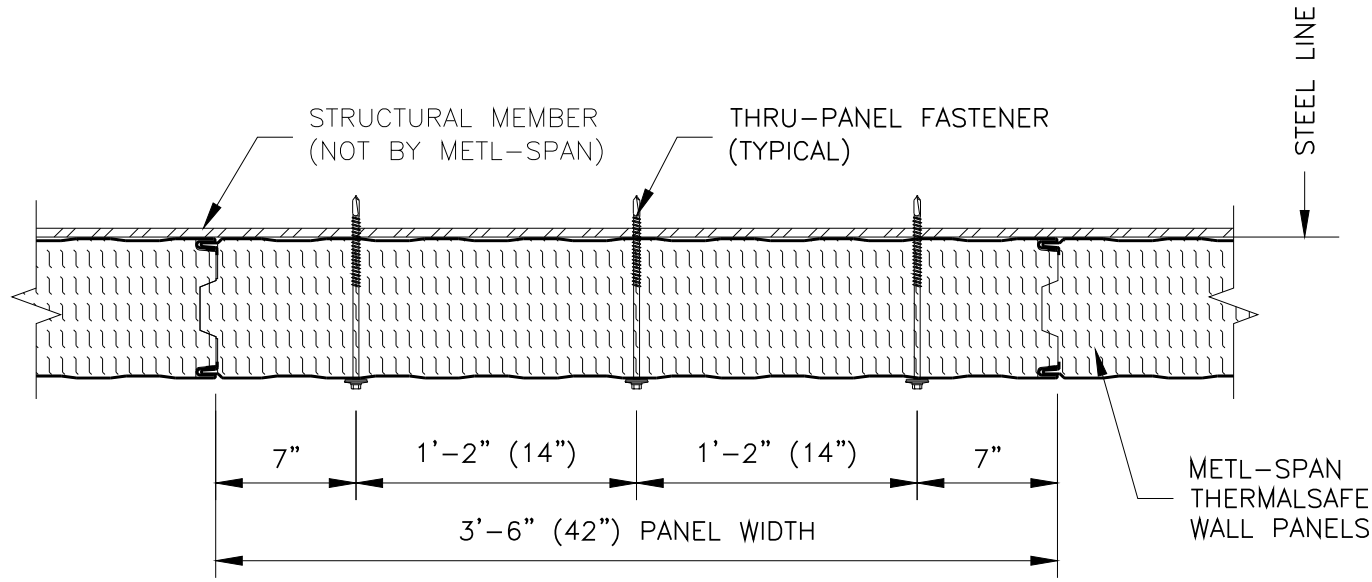
TS Panel	Design Criteria	LSD (Limit State Design), PSF											
		Panel Span (ft)											
		5	6	7	8	9	10	11	12	13	14	15	16
3" Thick	Bending & Shear	66.4	54.5	46.2	40.2	35.4	31.6	28.5	25.9	23.8	22.0	20.5	19.1
	Deflection (L/240)	89.0	70.8	57.9	48.2	40.6	34.5	29.4	25.3	21.9	19.1	16.7	14.6
	Connection F1	66.4	54.5	46.2	40.2	35.4	31.6	28.5	25.9	23.8	22.0	20.5	19.1
	Connection F2	66.4	54.5	46.2	40.2	35.4	31.6	28.5	25.9	23.8	22.0	20.5	19.1
	Connection F3	54.1	44.1	37.2	32.1	28.2	25.1	22.7	20.7	19.0	17.5	16.3	15.2
4" Thick	Bending & Shear	85.4	70.0	59.3	51.4	45.4	40.6	36.6	33.3	30.5	28.2	26.2	24.5
	Deflection (L/240)	117.2	94.0	77.5	65.2	55.6	48.0	41.6	36.3	31.8	28.0	24.7	21.9
	Connection F1	85.4	70.0	59.3	51.4	45.4	40.6	36.6	33.3	30.5	28.2	26.2	24.5
	Connection F2	85.4	70.0	59.3	51.4	45.4	40.6	36.6	33.3	30.5	28.2	26.2	24.5
	Connection F3	55.1	45.0	37.9	32.7	28.7	25.5	23.0	20.9	19.2	17.7	16.5	15.4
5" Thick	Bending & Shear	102.2	83.7	70.8	61.3	54.1	48.4	43.7	39.8	36.5	33.7	31.3	29.2
	Deflection (L/240)	142.5	115.1	95.4	80.7	69.3	60.2	52.8	46.6	41.2	36.6	32.6	29.2
	Connection F1	89.9	73.6	62.0	53.5	46.9	41.7	37.6	34.1	31.3	28.9	26.8	25.0
	Connection F2	102.2	83.7	70.8	61.3	54.1	48.4	43.7	39.8	36.5	33.7	31.3	29.2
6" Thick	Bending & Shear	115.6	94.7	80.1	69.3	61.0	54.5	49.3	44.9	41.3	38.1	35.3	32.9
	Deflection (L/240)	164.2	133.2	111.0	94.3	81.4	71.0	62.6	55.6	49.7	44.5	39.9	36.0
	Connection F1	91.9	75.4	63.6	54.8	48.1	42.8	38.5	35.0	32.0	29.5	27.4	25.5
	Connection F2	115.6	94.7	80.1	69.3	61.0	54.5	49.1	44.6	40.8	37.6	34.9	32.6
7" Thick	Bending & Shear	136.0	111.5	94.2	81.5	71.7	64.0	57.8	52.7	48.4	44.8	41.6	38.8
	Deflection (L/240)	193.6	157.6	131.7	112.2	97.0	84.9	75.0	66.8	59.9	54.0	48.7	44.1
	Connection F1	93.6	76.8	64.8	55.9	49.1	43.6	39.3	35.6	32.6	30.1	27.9	26.0
	Connection F2	125.2	102.7	86.7	74.8	65.7	58.4	52.5	47.7	43.7	40.2	37.3	34.8
8" Thick	Bending & Shear	156.5	128.3	108.5	93.8	82.5	73.6	66.5	60.6	55.7	51.5	47.9	44.6
	Deflection (L/240)	223.2	182.0	152.4	130.1	112.8	98.9	87.6	78.2	70.3	63.5	57.6	52.3
	Connection F1	94.0	77.2	65.3	56.3	49.4	44.0	39.5	35.9	32.9	30.3	28.1	26.1
	Connection F2	125.8	103.3	87.3	75.4	66.1	58.8	52.9	48.0	44.0	40.5	37.5	35.0

Notes

- Based on ThermalSafe panel with 26 ga. exterior & 26 ga. interior face (min Fy = 33 ksi) for 2 or more spans condition.
- Factored resistance inward load is the lowest value of panel bending, shear, and deflection resistance.
- Factored resistance outward load is the lowest value of panel bending, shear, deflection, and connection resistances for each fastener pattern.
- Loads based on panel stress and deflection design criteria are derived from ASTM E72 testing. The factored resistance loads are calculated with resistance factor of 0.5 and 0.4 for bending and shear stresses, respectively.
- The panel and its connection strength was determined from ASTM E72 testing and the factored resistance loads are calculated with resistance factor of 0.7.
- Specified loads should not exceed the deflection load for L/240 limit.
- Fastener Spacing across panel width into 14 ga. Girts:
 Connection F1 (3 Fasteners): End Support (3"-18"-18"-3") & Intermediate (7"-14"-14"-7")
 Connection F2 (4 Fasteners): End Support (3"-12"-12"-12"-3") & Intermediate (5.25"-10.5"-10.5"-10.5"-5.25")
 Connection F3: 3 Fasteners at End Support (3"-18"-18"-3") & 4 FabLok at Intermediate (5.25"-10.5"-10.5"-10.5"-5.25")
- The structural capacity of the girts are not considered and must be examined independently.



END CONDITION

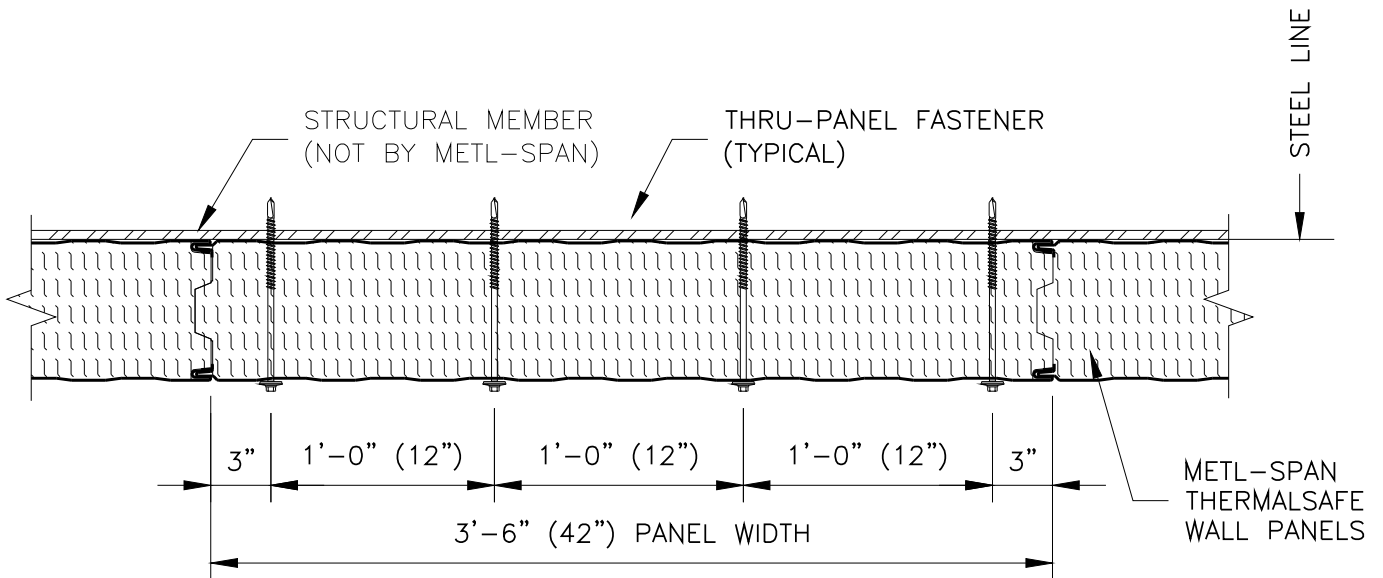


INTERMEDIATE CONDITION

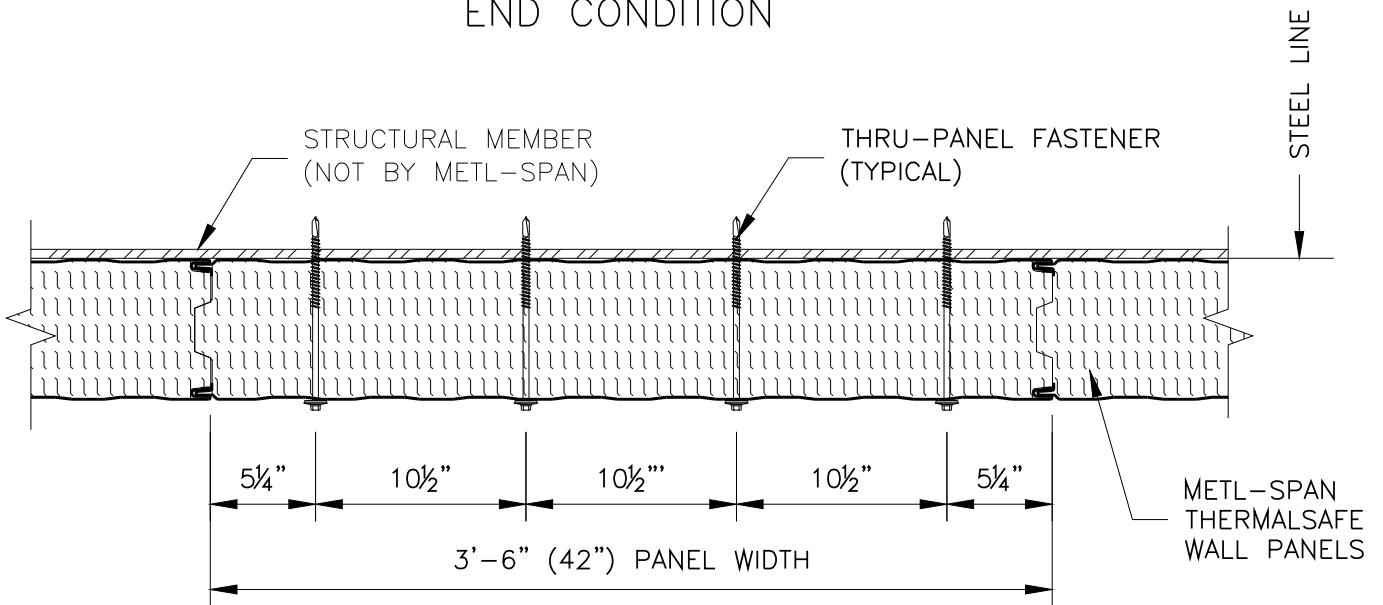
VERTICAL PANEL – THRU PANEL FASTENER PATTERNS
TSFP1

NOTE: FASTENER PATTERN TO BE DETERMINED PER SPECIFIC PROJECT DESIGN REQUIREMENTS.

<p>COMMERCIAL AND INDUSTRIAL</p>	<p>FASTENER PATTERNS TSFP1 THERMALS SAFE PANEL</p>	<p>TSW03010 DATE: 01-12-2016</p>
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END CONDITION



INTERMEDIATE CONDITION

VERTICAL PANEL – THRU PANEL FASTENER PATTERNS
TSFP2

NOTE: FASTENER PATTERN TO BE DETERMINED PER SPECIFIC PROJECT DESIGN REQUIREMENTS.

**COMMERCIAL AND
INDUSTRIAL**

**FASTENER PATTERNS TSFP2
THERMSAFE PANEL**

TSW03011
DATE: 01-12-2016